

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---------------------------------------|---|------------------|---------|------------------|
| L1 | 51 | opposing adj promoter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/19 13:20 |
| L3 | 70 | bidirectional adj transcription | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/19 13:21 |
| L4 | 61446 | ribozyme antisense | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/19 13:22 |
| L5 | 59 | I4 and I3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/19 13:23 |
| L6 | 3259 | Pol adj III | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/19 13:23 |
| L7 | 1 | I6 and I5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/19 13:23 |
| S1 | 58 | conrad.in. and antisense | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/19 13:19 |
| S3 | 3 | conrad.in. and sirna | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/10 16:08 |
| S4 | 1 | conrad.in. and bidirectional promoter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:10 |
| S5 | 0 | conrad.in. and pol adj III | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:10 |

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| S6 | 0 | conrad.in. and RNA adj polymerase adj III | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:11 |
| S7 | 2 | "5017488".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:11 |
| S9 | 4 | kaykas.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/10 16:26 |
| S12 | 7 | moon adj randall.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/10 16:29 |
| S13 | 1036 | Rna adj polymerase adj III | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:30 |
| S14 | 212 | Rna adj polymerase adj III adj promoter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:31 |
| S15 | 161 | bidirectional adj promoter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:31 |
| S16 | 76380 | expression adj vector | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:31 |
| S17 | 104 | S16 and S15 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:32 |
| S18 | 0 | S17 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:32 |

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| S20 | 0 | S17 and sirna | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:32 |
| S21 | 97 | S14 and sirna | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/10 16:33 |
| S22 | 161 | bidirectional adj promoter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 12:14 |
| S23 | 76543 | expression adj vector | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:14 |
| S24 | 1190 | (rna adj polymerase adj III) or (rna adj pol adj III) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:15 |
| S25 | 57 | stable with expression with sirna | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:16 |
| S27 | 62412 | sirna or dsrna or antisense or ribozyme | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:17 |
| S28 | 342994 | u6 or h1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:18 |
| S29 | 274 | (dual or opposing) adj (promoter or promoters) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:19 |

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| S34 | 0 | S22 and S23 and S24 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:26 |
| S35 | 104 | S22 and S23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:44 |
| S36 | 1 | S22 and S24 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:26 |
| S37 | 50 | opposing adj promoter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:30 |
| S38 | 39 | S37 and S23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:38 |
| S39 | 10 | S38 and pol adj III | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:46 |
| S40 | 2 | wo-9953050-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:44 |
| S41 | 15 | S37 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 11:46 |

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| S45 | 4 | kaykas.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 12:31 |
| S46 | 7 | moon adj randall.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 12:31 |
| S47 | 433 | intracellular with expression with (sirna or dsrna or rna) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 13:37 |
| S48 | 30 | S47 and (opposing or bidirectional) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 13:09 |
| S49 | 770 | graham.in. and gene | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 13:37 |
| S50 | 227 | graham.in. and gene adj expression | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 13:40 |
| S52 | 20 | graham adj michael adj wayne.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 13:42 |
| S53 | 1 | S52 and u6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 13:44 |
| S54 | 1 | S52 and Pol adj III | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 13:44 |

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| S56 | 76543 | expression adj vector | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/11 16:28 |
| S57 | 104 | S56 and S55 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2005/08/11 16:28 |
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| S59 | 161 | bidirectional adj promoter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 16:33 |
| S60 | 3 | arts.in. and sirna | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 16:36 |
| S61 | 0 | S60 and bidirectional | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 16:36 |
| S62 | 1 | S60 and dual | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/11 16:36 |
| S63 | 304 | turner.in. and rna | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/12 17:07 |
| S64 | 0 | pachuck.in. and rna | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/12 17:08 |

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| S66 | 37 | pachuk.in. and rna | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/08/12 17:08 |

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AQUALINE,
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| E1 | 1 | KAYKAR/BI |
| E2 | 9 | KAYKAS/BI |
| E3 | 0 --> | KAYKAS A/BI |
| E4 | 1 | KAYKATY/BI |
| E5 | 1 | KAYKAU/BI |
| E6 | 1 | KAYKAYAE/BI |
| E7 | 1 | KAYKAZKOGO/BI |
| E8 | 30 | KAYKE/BI |
| E9 | 1 | KAYKETYGVSHITRHDMLQIPKQQONEK/BI |

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E11 1 KAYKIAN/BI
E12 1 KAYKIO/BI

=> d rank
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=> s e2
1 FILE BIOSIS
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2 FILE EMBASE
1 FILE ESBIODBASE
1 FILE LIFESCI
1 FILE MEDLINE
1 FILE PASCAL
62 FILES SEARCHED...
1 FILE SCISEARCH

8 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L1 QUE KAYKAS/BI

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F2 1 BIOSIS
F3 1 CAPLUS
F4 1 ESBIODBASE
F5 1 LIFESCI
F6 1 MEDLINE
F7 1 PASCAL
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TI High physiological levels of LMP1 result in phosphorylation of
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in epstein-barr virus-infected cells.

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L2 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
 TI High physiological levels of LMP1 result in phosphorylation of eIF2.alpha.
 in Epstein-Barr virus-infected cells
 SO Journal of Virology (2004), 78(4), 1657-1664
 CODEN: JOVIAM; ISSN: 0022-538X

L2 ANSWER 5 OF 9 MEDLINE on STN
 TI High physiological levels of LMP1 result in phosphorylation of eIF2 alpha
 in Epstein-Barr virus-infected cells.
 SO Journal of virology, (2004 Feb) 78 (4) 1657-64.
 Journal code: 0113724. ISSN: 0022-538X.

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 TI High Physiological Levels of LMP1 Result in Phosphorylation of eIF2.alpha. in Epstein-Barr Virus-Infected Cells
 SO Journal of Virology, (2004), 78/4 (1657-1664), 39 reference(s)
 CODEN: JOVIAM ISSN: 0022-538X

L2 ANSWER 7 OF 9 LIFESCI COPYRIGHT 2005 CSA on STN
 TI High Physiological Levels of LMP1 Result in Phosphorylation of eIF2 alpha
 in Epstein-Barr Virus-Infected Cells
 SO Journal of Virology [J. Virol.], (20040200) vol. 78, no. 4, pp. 1657-1664.
 ISSN: 0022-538X.

L2 ANSWER 8 OF 9 PASCAL COPYRIGHT 2005 INIST-CNRS. ALL RIGHTS RESERVED. on STN
 TIEN High physiological levels of LMP1 result in phosphorylation of eIF2.alpha. in Epstein-Barr virus-infected cells
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L2 ANSWER 9 OF 9 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI High physiological levels of LMP1 result in phosphorylation of eIF2 alpha
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 SO JOURNAL OF VIROLOGY, (FEB 2004) Vol. 78, No. 4, pp. 1657-1664.
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| FULL ESTIMATED COST | 32.67 | 35.24 |

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| E12 | 1 | MOON3333/BI |

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| 1 | FILE EMBASE |
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L3 QUE MOON/BI AND SIRNA

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=> s l3

L4 8 L3

=> d ti so 1-8

L4 ANSWER 1 OF 8 PROMT COPYRIGHT 2005 Gale Group on STN

TI APPOINTMENTS AND ADVANCEMENTS.

SO BIOWORLD Today, (20 Sep 2004) Vol. 15, No. 181.

L4 ANSWER 2 OF 8 PROMT COPYRIGHT 2005 Gale Group on STN

TI PR Newswire National Summary, Tuesday, Nov. 4, Midnight to 10 a.m.

ET.

SO PR Newswire, (4 Nov 2003) .

L4 ANSWER 3 OF 8 PROMT COPYRIGHT 2005 Gale Group on STN

TI PR Newswire National Summary, Monday, Sept. 15, midnight to 10 a.m.

ET.

SO PR Newswire, (15 Sep 2003) .

L4 ANSWER 4 OF 8 PROMT COPYRIGHT 2005 Gale Group on STN

TI PR Newswire National Summary, Tuesday, Sept. 9, midnight to 10 a.m.

ET.

SO PR Newswire, (9 Sep 2003) .

L4 ANSWER 5 OF 8 PROMT COPYRIGHT 2005 Gale Group on STN

TI Biotech Is Back! Great News on the Product Front and a Rebound in
the

Capital Markets Has Reignited Investor Enthusiasm ...

SO PR Newswire, (24 Jun 2003) pp. SFTU07524062003.

L4 ANSWER 6 OF 8 PROMT COPYRIGHT 2005 Gale Group on STN

TI PR Newswire National Summary, Thursday, March 20, Midnight to 10 a.m. ET.
SO PR Newswire, (20 Mar 2003) pp. HSNATL120032003.

L4 ANSWER 7 OF 8 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.

on STN

TI A plasmid-based system for expressing small interfering RNA libraries in mammalian cells.

SO BMC Cell Biology, (30 Apr 2004) Vol. 5, pp. 11p.

Refs: 23

ISSN: 1471-2121 CODEN: BCBMAY

URL: <http://www.biomedcentral.com/1471-2121/5/16>

L4 ANSWER 8 OF 8 PASCAL COPYRIGHT 2005 INIST-CNRS. ALL RIGHTS RESERVED. on

STN

TIEN Requirement of NeuroD for photoreceptor formation in the chick retina

SO Investigative ophthalmology & visual science, (2004), 45(1), 48-58, 61

refs.

ISSN: 0146-0404 CODEN: IOVSDA

=> d bib abs l4 5

L4 ANSWER 5 OF 8 PROMT COPYRIGHT 2005 Gale Group on STN

AN 2003:361743 PROMT

TI Biotech Is Back! Great News on the Product Front and a Rebound in the

Capital Markets Has Reignited Investor Enthusiasm ...

SO PR Newswire, (24 Jun 2003) pp. SFTU07524062003.

PB PR Newswire Association, Inc.

DT Newsletter

LA English

WC 5289

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB SAN FRANCISCO -- SAN FRANCISCO, June 24 /PRNewswire/ -- "Strong earnings, significant product approvals, steady deal flow, and now interest blossoming on Wall Street (again) -- the biotech industry

is showing that it has what it takes ... and investors are buying," said G.

Steven Burrill, CEO of Burrill & Company, a San Francisco-based life

sciences merchant bank. Since the start of 2003, the Burrill Biotech

Select Index has risen nearly 50%, outperforming both the DJIA (up 12%

YTD) and the NASDAQ (up 25% YTD). "While we haven't seen this level of

investor enthusiasm since the genomics 'bubble', we're by no means back to

those extraordinary values nor on the cusp of a new bubble ... just at the

start of a recovery from the massive biotech devaluation of the last three

years," Burrill commented. "At the end of June 2000, the market

capitalization for the biotech industry was \$475 billion, while at close of business on June 16, it was \$301 billion, still off by more than 35%," he said.

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=> d bib abs 14 6

L4 ANSWER 6 OF 8 PROMT COPYRIGHT 2005 Gale Group on STN

AN 2003:68117 PROMT

TI PR Newswire National Summary, Thursday, March 20, Midnight to 10 a.m. ET.

SO PR Newswire, (20 Mar 2003) pp. HSNATL120032003.

PB PR Newswire Association, Inc.

DT Newsletter

LA English

WC 4537

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB -- Following is a summary of news releases transmitted between midnight

and 10 a.m. by PR Newswire. The full text of these releases is available

at the PR Newswire for Journalists, <http://media.prnewswire.com/>.

THIS IS THE FULL TEXT: COPYRIGHT 2003 PR Newswire Association, Inc.

=> index biosci

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 15.31 | 53.50 |

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,

AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,

BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,

CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 12:46:23 ON 11 AUG 2005

74 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s opposing(a) (promoter or promoters)

| | |
|----|-----------------|
| 1 | FILE BIOENG |
| 6 | FILE BIOSIS |
| 3 | FILE BIOTECHABS |
| 3 | FILE BIOTECHDS |
| 6 | FILE BIOTECHNO |
| 2 | FILE CABA |
| 13 | FILE CAPLUS |
| 1 | FILE CEABA-VTB |
| 37 | FILE DGENE |


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      3 FILE DISSABS
      8 FILE EMBASE
      5 FILE ESBIODBASE
      1 FILE FEDRIP
35 FILES SEARCHED...
      2 FILE IFIPAT
      5 FILE LIFESCI
      7 FILE MEDLINE
      1 FILE PASCAL
      7 FILE SCISEARCH
      2 FILE TOXCENTER
     43 FILE USPATFULL
      4 FILE USPAT2
      3 FILE WPIDS
      3 FILE WPINDEX

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23 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L5 QUE OPPOSING(A) (PROMOTER OR PROMOTERS)

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=> s expression(a)vector
      39 FILE ADISCTI
      21 FILE ADISINSIGHT
      8 FILE ADISNEWS
     669 FILE AGRICOLA
      18 FILE ANABSTR
      5 FILE ANTE
      6 FILE AQUALINE
     150 FILE AQUASCI
     402 FILE BIOBUSINESS
     194 FILE BIOCOMMERCE
    1620 FILE BIOENG
   18245 FILE BIOSIS
   25754 FILE BIOTECHABS
   25754 FILE BIOTECHDS
   12121 FILE BIOTECHNO
     2124 FILE CABA
     3449 FILE CANCERLIT
   20026 FILE CAPLUS
      851 FILE CEABA-VTB
      1 FILE CEN
      81 FILE CIN
      48 FILE CONFSCI
      65 FILE CROPU
     311 FILE DDFU
   159742 FILE DGENE
27 FILES SEARCHED...
    1005 FILE DISSABS
     905 FILE DRUGU
     112 FILE EMBAL
   13095 FILE EMBASE
     5252 FILE ESBIODBASE
     2191 FILE FEDRIP
      60 FILE FROSTI
     253 FILE FSTA
   32887 FILE GENBANK
      2 FILE HEALSAFE
   13000 FILE IFIPAT
      12 FILE IMSDRUGNEWS
      40 FILE IMSRESEARCH
     588 FILE JICST-EPLUS

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| | |
|----------------------|------------------|
| 9 | FILE KOSMET |
| 5640 | FILE LIFESCI |
| 10206 | FILE MEDLINE |
| 9 | FILE NIOSHTIC |
| 130 | FILE NTIS |
| 38 | FILE OCEAN |
| 3058 | FILE PASCAL |
| 10 | FILE PHAR |
| 4 | FILE PHARMAML |
| 44 | FILE PHIN |
| 471 | FILE PROMT |
| 7 | FILE PROUSDDR |
| 1 | FILE RDISCLOSURE |
| 8602 | FILE SCISEARCH |
| 7707 | FILE TOXCENTER |
| 51658 | FILE USPATFULL |
| 67 FILES SEARCHED... | |
| 3707 | FILE USPAT2 |
| 79 | FILE VETU |
| 7 | FILE WATER |
| 12944 | FILE WPIDS |
| 21 | FILE WPIFV |
| 12944 | FILE WPINDEX |

61 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L6 QUE EXPRESSION(A) VECTOR

=> s sirna

| | |
|--------|------------------|
| 47 | FILE ADISINSIGHT |
| 6 | FILE ADISNEWS |
| 25 | FILE AGRICOLA |
| 1 | FILE ANABSTR |
| 5 | FILE AQUASCI |
| 14 | FILE BIOCOMMERCE |
| 241 | FILE BIOENG |
| 1844 | FILE BIOSIS |
| 960 | FILE BIOTECHABS |
| 960 | FILE BIOTECHDS |
| 291 | FILE BIOTECHNO |
| 87 | FILE CABA |
| 26 | FILE CANCERLIT |
| 3370 | FILE CAPLUS |
| 27 | FILE CEABA-VTB |
| 89 | FILE CIN |
| 48 | FILE CONFSCI |
| 424 | FILE DDFU |
| 108376 | FILE DGENE |
| 96 | FILE DISSABS |
| 584 | FILE DRUGU |
| 179 | FILE EMBAL |
| 1494 | FILE EMBASE |
| 1371 | FILE ESBIOWASE |
| 282 | FILE FEDRIP |
| 3342 | FILE GENBANK |
| 621 | FILE IFIPAT |
| 90 | FILE IMSDRUGNEWS |
| 75 | FILE IMSRESEARCH |
| 191 | FILE JICST-EPLUS |
| 1028 | FILE LIFESCI |
| 1793 | FILE MEDLINE |

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43  FILE NTIS
3   FILE OCEAN
487 FILE PASCAL
83  FILE PCTGEN
56  FILE PHAR
29  FILE PHARMAML
7   FILE PHIC
133 FILE PHIN
852 FILE PROMT
3   FILE PROUSDDR
63  FILES SEARCHED...
2011 FILE SCISEARCH
1058 FILE TOXCENTER
1346 FILE USPATFULL
9    FILE USPAT2
803  FILE WPIDS
31   FILE WPIFV
803  FILE WPINDEX

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49 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L7 QUE SIRNA

=> dis his

(FILE 'HOME' ENTERED AT 12:35:54 ON 11 AUG 2005)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 12:36:28 ON 11 AUG 2005

E KAYKAS A
SEA E2

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1  FILE BIOSIS
1  FILE CAPLUS
2  FILE EMBASE
1  FILE ESBIODASE
1  FILE LIFESCI
1  FILE MEDLINE
1  FILE PASCAL
1  FILE SCISEARCH

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L1 QUE KAYKAS/BI

FILE 'EMBASE, BIOSIS, CAPLUS, MEDLINE, ESBIODASE, LIFESCI, PASCAL, SCISEARCH' ENTERED AT 12:38:48 ON 11 AUG 2005

L2 9 S L1

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 12:40:41 ON 11 AUG 2005

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E MOON R T
SEA E2 AND SIRNA

1 FILE EMBASE
1 FILE PASCAL
6 FILE PROMT
22 FILE USPATFULL
QUE MOON/BI AND SIRNA

L3

FILE 'PROMT, EMBASE, PASCAL' ENTERED AT 12:43:51 ON 11 AUG 2005

L4 8 S L3

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE,
AQUALINE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS,
BIOTECHDS,
BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI,
CROPB,
CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 12:46:23 ON 11
AUG 2005

SEA OPPOSING(A) (PROMOTER OR PROMOTERS)

1 FILE BIOENG
6 FILE BIOSIS
3 FILE BIOTECHABS
3 FILE BIOTECHDS
6 FILE BIOTECHNO
2 FILE CABA
13 FILE CAPLUS
1 FILE CEABA-VTB
37 FILE DGENE
3 FILE DISSABS
8 FILE EMBASE
5 FILE ESBIODBASE
1 FILE FEDRIP
2 FILE IFIPAT
5 FILE LIFESCI
7 FILE MEDLINE
1 FILE PASCAL
7 FILE SCISEARCH
2 FILE TOXCENTER
43 FILE USPATFULL
4 FILE USPAT2
3 FILE WPIDS
3 FILE WPINDEX

L5

QUE OPPOSING(A) (PROMOTER OR PROMOTERS)

SEA EXPRESSION(A) VECTOR

39 FILE ADISCTI
21 FILE ADISINSIGHT
8 FILE ADISNEWS
669 FILE AGRICOLA
18 FILE ANABSTR
5 FILE ANTE
6 FILE AQUALINE
150 FILE AQUASCI
402 FILE BIOBUSINESS

| | | |
|--------|------|-------------|
| 194 | FILE | BIOCOMMERCE |
| 1620 | FILE | BIOENG |
| 18245 | FILE | BIOSIS |
| 25754 | FILE | BIOTECHABS |
| 25754 | FILE | BIOTECHDS |
| 12121 | FILE | BIOTECHNO |
| 2124 | FILE | CABA |
| 3449 | FILE | CANCERLIT |
| 20026 | FILE | CAPLUS |
| 851 | FILE | CEABA-VTB |
| 1 | FILE | CEN |
| 81 | FILE | CIN |
| 48 | FILE | CONFSCI |
| 65 | FILE | CROPU |
| 311 | FILE | DDFU |
| 159742 | FILE | DGENE |
| 1005 | FILE | DISSABS |
| 905 | FILE | DRUGU |
| 112 | FILE | EMBAL |
| 13095 | FILE | EMBASE |
| 5252 | FILE | ESBIOBASE |
| 2191 | FILE | FEDRIP |
| 60 | FILE | FROSTI |
| 253 | FILE | FSTA |
| 32887 | FILE | GENBANK |
| 2 | FILE | HEALSAFE |
| 13000 | FILE | IFIPAT |
| 12 | FILE | IMSDRUGNEWS |
| 40 | FILE | IMSRESEARCH |
| 588 | FILE | JICST-EPLUS |
| 9 | FILE | KOSMET |
| 5640 | FILE | LIFESCI |
| 10206 | FILE | MEDLINE |
| 9 | FILE | NIOSHTIC |
| 130 | FILE | NTIS |
| 38 | FILE | OCEAN |
| 3058 | FILE | PASCAL |
| 10 | FILE | PHAR |
| 4 | FILE | PHARMAML |
| 44 | FILE | PHIN |
| 471 | FILE | PROMT |
| 7 | FILE | PROUSDDR |
| 1 | FILE | RDISCLOSURE |
| 8602 | FILE | SCISEARCH |
| 7707 | FILE | TOXCENTER |
| 51658 | FILE | USPATFULL |
| 3707 | FILE | USPAT2 |
| 79 | FILE | VETU |
| 7 | FILE | WATER |
| 12944 | FILE | WPIDS |
| 21 | FILE | WPIFV |
| 12944 | FILE | WPINDEX |

L6

QUE EXPRESSION(A) VECTOR

SEA SIRNA

| | | |
|----|------|-------------|
| 47 | FILE | ADISINSIGHT |
| 6 | FILE | ADISNEWS |
| 25 | FILE | AGRICOLA |
| 1 | FILE | ANABSTR |
| 5 | FILE | AQUASCI |

14 FILE BIOCOMMERCE
 241 FILE BIOENG
 1844 FILE BIOSIS
 960 FILE BIOTECHABS
 960 FILE BIOTECHDS
 291 FILE BIOTECHNO
 87 FILE CABA
 26 FILE CANCERLIT
 3370 FILE CAPLUS
 27 FILE CEABA-VTB
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 48 FILE CONFSCI
 424 FILE DDFU
 108376 FILE DGENE
 96 FILE DISSABS
 584 FILE DRUGU
 179 FILE EMBAL
 1494 FILE EMBASE
 1371 FILE ESBIODBASE
 282 FILE FEDRIP
 3342 FILE GENBANK
 621 FILE IFIPAT
 90 FILE IMSDRUGNEWS
 75 FILE IMSRESEARCH
 191 FILE JICST-EPLUS
 1028 FILE LIFESCI
 1793 FILE MEDLINE
 43 FILE NTIS
 3 FILE OCEAN
 487 FILE PASCAL
 83 FILE PCTGEN
 56 FILE PHAR
 29 FILE PHARMAML
 7 FILE PHIC
 133 FILE PHIN
 852 FILE PROMT
 3 FILE PROUSDDR
 2011 FILE SCISEARCH
 1058 FILE TOXCENTER
 1346 FILE USPATFULL
 9 FILE USPAT2
 803 FILE WPIDS
 31 FILE WPIFV
 803 FILE WPINDEX

L7 QUE SIRNA

=> s 15 and 16 and 17

1 FILE BIOTECHABS
 1 FILE BIOTECHDS
 1 FILE CAPLUS
 17 FILE DGENE
 27 FILES SEARCHED...
 2 FILE EMBASE
 1 FILE MEDLINE
 11 FILE USPATFULL
 67 FILES SEARCHED...
 1 FILE WPIDS
 1 FILE WPINDEX

9 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L8 QUE L5 AND L6 AND L7

=> d rank

| | | |
|----|----|------------|
| F1 | 17 | DGENE |
| F2 | 11 | USPATFULL |
| F3 | 2 | EMBASE |
| F4 | 1 | BIOTECHABS |
| F5 | 1 | BIOTECHDS |
| F6 | 1 | CAPLUS |
| F7 | 1 | MEDLINE |
| F8 | 1 | WPIDS |
| F9 | 1 | WPINDEX |

| => file dgene embase biotechabs biotechds caplus medline wpids wpindex | | |
|--|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 5.31 | 58.81 |

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FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 12:51:49 ON 11 AUG 2005
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FILE 'CAPLUS' ENTERED AT 12:51:49 ON 11 AUG 2005
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FILE 'WPIDS' ENTERED AT 12:51:49 ON 11 AUG 2005
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> s l8

L9 23 L8

=> dup rem

ENTER L# LIST OR (END):L9
DUPLICATE IS NOT AVAILABLE IN 'DGENE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L9
L10 20 DUP REM L9 (3 DUPLICATES REMOVED)

=> dis ti so l10 1-20

L10 ANSWER 1 OF 20 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS
RESERVED.

on STN DUPLICATE 1
TI Cost-effective method of ***siRNA*** preparation and its
application
to inhibit hepatitis B virus replication in HepG2 cells.

SO World Journal of Gastroenterology, (7 Mar 2005) Vol. 11, No. 9, pp.
1297-1302.
Refs: 31
ISSN: 1007-9327 CODEN: WJGAF2

L10 ANSWER 2 OF 20 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Preparing small interfering RNA library for treating e.g. cancer,
by
producing random oligoDNAs that can be cloned into vectors
containing
site-specific recombinase sites for generating inverted repeats of
the
sequence in host cells;
for use in cancer prevention, gene therapy, RNA interference
and
functional genomics

L10 ANSWER 3 OF 20 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS
RESERVED.
on STN
TI An approach to genomewide screens of expressed small interfering
RNAs in
mammalian cells.
SO Proceedings of the National Academy of Sciences of the United
States of
America, (2004) Vol. 101, No. 1, pp. 135-140.
Refs: 33
ISSN: 0027-8424 CODEN: PNASA6

L10 ANSWER 4 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

L10 ANSWER 5 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

L10 ANSWER 6 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

L10 ANSWER 7 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a

polymerase extension reaction mixture and reacting the reagents of the mixture in at least two thermocycles.

L10 ANSWER 8 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful for generating ***siRNA*** expression cassettes, comprises providing a polymerase extension reaction mixture and reacting the reagents of the mixture in at least two thermocycles.

L10 ANSWER 9 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful for generating ***siRNA*** expression cassettes, comprises providing a polymerase extension reaction mixture and reacting the reagents of the mixture in at least two thermocycles.

L10 ANSWER 10 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful for generating ***siRNA*** expression cassettes, comprises providing a polymerase extension reaction mixture and reacting the reagents of the mixture in at least two thermocycles.

L10 ANSWER 11 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful for generating ***siRNA*** expression cassettes, comprises providing a polymerase extension reaction mixture and reacting the reagents of the mixture in at least two thermocycles.

L10 ANSWER 12 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful for generating ***siRNA*** expression cassettes, comprises providing a polymerase extension reaction mixture and reacting the reagents of the mixture in at least two thermocycles.

L10 ANSWER 13 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful for generating ***siRNA*** expression cassettes, comprises providing a polymerase extension reaction mixture and reacting the reagents of the mixture in at least two thermocycles.

L10 ANSWER 14 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful for

generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

L10 ANSWER 15 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

L10 ANSWER 16 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

L10 ANSWER 17 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

L10 ANSWER 18 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

L10 ANSWER 19 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

L10 ANSWER 20 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
TI Producing two complementary strands of a tripartite DNA, useful
for
generating ***siRNA*** expression cassettes, comprises
providing a
polymerase extension reaction mixture and reacting the reagents
of the
mixture in at least two thermocycles.

=> dis bib abs,110 20

L10 ANSWER 20 OF 20 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ADY59053 DNA DGENE
TI Producing two complementary strands of a tripartite DNA, useful
for generating ***siRNA*** expression cassettes, comprises
providing a polymerase extension reaction mixture and reacting the reagents
of the mixture in at least two thermocycles.
IN Zheng L; Ding S; Schultz P G
PA (SCRI) SCRIPPS RES INST.
PI WO 2005021733 A2 20050310 45
AI WO 2004-US28621 20040901
PRAI US 2003-499571P 20030902
DT Patent
LA English
OS 2005-214566 [22]
DESC Oligonucleotide encoding luciferase ***siRNA***
AN ADY59053 DNA DGENE
AB The invention provides methods for generating ***siRNA***
expression cassettes. A novel dual promoter ***siRNA*** expression system
facilitates the construction of ***siRNA*** expression
libraries for genome-wide screens. In some embodiments, a gene-specific
siRNA sequence is inserted between 2 different ***opposing***
promoters. Upon transfection into mammalian cells, the
sense and antisense strands of the ***siRNA*** duplex are transcribed by
these 2 ***opposing*** ***promoters*** from the same template,
resulting in a ***siRNA*** duplex. These siRNAs can be
incorporated into the RNA-induced silencing complex (RISC) without any further
modification. The siRNAs transcribed by this vector can induce
strong and specific gene suppression of endogenous or ectopically
expressed genes. A single-step PCR protocol is described which allows for
the production of ***siRNA*** expression cassettes in a high-
throughput manner. These PCR-derived, non-hairpin-based ***siRNA***
expression cassettes induce specific and strong suppression of endogenous and
ectopically expression gene function when transfected into
mammalian cells. In an example from the invention, gene-specific
siRNA expression plasmids were constructed by annealing a pair of 35-37
base oligonucleotides and ligating them into ***siRNA***
expression ***vector*** pDual. The oligonucleotides
contained 19-21 gene-specific nucleotides flanked by 5 As on the
5' side and 5 Ts on the 3' side. Once transfected into mammalian cells,
the sense and antisense strands were transcribed by 2

opposing

promoters (U6 and H1) on the same template, resulting in
a 19-21

bp RNA duplex with a TT overhang at the 3' end, closely resembling
the

Dicer digested product. The present sequence is that of a firefly
luciferase ***siRNA*** antisense strand-encoding

oligonucleotide used

to demonstrate this method.

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

32.37

91.18

STN INTERNATIONAL LOGOFF AT 12:54:32 ON 11 AUG 2005